

CLMPTO

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1. An Internet charging system in a system having an information terminal and a terminal server that provides Internet access service employing a public network to the information terminal, comprising:

on the terminal server side,

a charging server for sequentially calculating an Internet usage fee which occurs according to Internet usage by an Internet user through the information terminal;

a charging database having a charging table required for calculating the Internet usage fee; and

a customer database having a customer table which includes information on a customer as the Internet user through the information terminal, wherein,

on the terminal server side, the charging table which includes information on an Internet access method, a method for displaying information for charging, and a charging method associated with Internet access is periodically transmitted to the information terminal, and

on the information terminal side,

the customer selects desired information from the information in the transmitted charging table.

2. An Internet charging system in a system having an information terminal and a terminal server that provides Internet access service employing a public network to the information terminal, comprising:

- on the terminal server side,
- a charging server for sequentially calculating an Internet usage fee which occurs according to Internet usage by an Internet user through the information terminal;
- a charging database having a charging table required for calculating the Internet usage fee;
- a customer database having a customer table which includes information on a customer as the Internet user through the information terminal;
- an advertisement data controller for controlling an size and a display time of an advertisement which is sent to the terminal server;

an advertisement content server for retaining contents of the advertisement; a data traffic monitor server for monitoring data traffic of the Internet; and a usage state monitor server for monitoring a state of Internet usage by the customer, wherein

on the terminal server side, the charging table which includes information on an Internet access method, a method for displaying information for the charging, and a charging method associated with Internet access is periodically transmitted to the information terminal,

on the information terminal side,
the customer selects desired information from the information in the transmitted charging table, and

on the terminal server side,
an Internet access service providing method, an advertisement distribution method, and the charging method associated with Internet access are changed according to the state of Internet usage by the customer and the result of the selection by the customer of the desired information in the charging table.

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3. (Amended) The Internet charging system as defined in Claim 1, comprising:
 - in the information terminal,
 - an access program for accessing the Internet;
 - a usage state monitor program for monitoring the state of Internet usage by the customer;
 - an information terminal charging database having an information terminal charging table which includes information required for calculating the Internet usage fee; and
 - an access setting database having an access table which includes information on plural providers such as phone numbers, ID numbers, passwords, thereby automatically changing a provider.

4. (Amended) The Internet charging system as defined in Claim 1, wherein the charging table has line usage fee information concerning a usage fee of the public network.

5. (Amended) The Internet charging system as defined in Claim 1, wherein the charging table has advertisement size information concerning a size of the advertisement displayed on the information terminal.

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6. (Amended) The Internet charging system as defined in Claim 1, wherein
the charging system has
advertisement number information concerning the number of advertisements
displayed on the information terminal.

7. (Amended) The Internet charging system as defined in Claim 1, wherein
the charging table has
advertisement display time information concerning a display time of the
advertisement displayed on the information terminal.

8. (Amended) The Internet charging system as defined in Claim 1, wherein
the charging table has
usage time-zone information concerning a time zone in which the client uses
the Internet.

9. (Amended) The Internet charging system as defined in Claim 1, wherein
the charging table has
information on accumulated access time that is an accumulation of time for
which the customer uses the Internet.

10. (Amended) The Internet charging system as defined in Claim 1, wherein
the charging table has
data packet amount information concerning an amount of data packets utilized
in the Internet.

11. (Amended) The Internet charging system as defined in Claim 1, wherein
the charging table has
communication traffic state information concerning a communication traffic
state in the public network.

12. (Amended) The Internet charging system as defined in Claim 1, wherein
the charging table has

electric commerce deal amount/frequency information, which concerns a deal
amount when the customer performs electronic commerce employing the Internet,
and a frequency of performing the electronic commerce.

--13. The Internet charging system as defined in Claim 2, comprising:

in the information terminal,

an access program for accessing the Internet;

a usage state monitor program for monitoring the state of Internet usage by the
customer;

an information terminal charging database having an information terminal
charging table which includes information required for calculating the Internet usage
fee; and

an access setting database having an access table which includes information
on plural providers such as phone numbers, ID numbers, passwords, thereby
automatically changing a provider.

14. The Internet charging system as defined in Claim 2, wherein

the charging table has

line usage fee information concerning a usage fee of the public network.

15. The Internet charging system as defined in Claim 2, wherein

the charging table has

the charging table has
advertisement size information concerning a size of the advertisement
displayed on the information terminal.

16. The Internet charging system as defined in Claim 2, wherein
the charging system has

advertisement number information concerning the number of advertisements
displayed on the information terminal.

17. The Internet charging system as defined in Claim 2, wherein
the charging table has
advertisement display time information concerning a display time of the
advertisement displayed on the information terminal.

18. The Internet charging system as defined in Claim 2, wherein
the charging table has
usage time-zone information concerning a time zone in which the client uses
the Internet.

19. The Internet charging system as defined in Claim 2, wherein
the charging table has
information on accumulated access time that is an accumulation of time for
which the customer uses the Internet.

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20. The Internet charging system as defined in Claim 2, wherein
the charging table has
data packet amount information concerning an amount of data packets utilized
in the Internet.
21. The Internet charging system as defined in Claim 2, wherein
the charging table has
communication traffic state information concerning a communication traffic
state in the public network.
22. The Internet charging system as defined in Claim 2, wherein
the charging table has

electric commerce deal amount/frequency information, which concerns a deal
amount when the customer performs electronic commerce employing the Internet,
and a frequency of performing the electronic commerce.--